まかがサー あさりよしとお



YOSHITOH ASARI. BORN IN HOKKAIDO, 1962. AFTER GRADUATING FROM TAKIKAWA HIGH SCHOOL. MOVED TO THE TOKYO TAXATTON BURBAU OFFICE, AND THEN BECAME A MANGA ARTIST. HIS MOST RECOGNIZED WORK IS "SPACE PAMILY-KARL BINSON.** SINCE READING **KOROSUKE'S SCIENCE QUESTION BOX** TH RURMENTARY SCHOOL ATH ADADE HE THOUGHT HE WANTED TO TRY WRITING A SCIENCE MANGA, HTS PARTICULAR PREFERENCE WAS CONTENT ABOUT SPACE DEVELOPMENT, HTS HOBBIES SPAN A DIVERSE PANAR OF MOVIES VIDEO GAMES, MODEL CARS, AND

COMPUTERS.

MANGA SCIENCE



YOSHITOH ASARI

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RETRIEVE THE AIR FROM 300 MILLION YEARS AGO!
SOS SPACESHIP EARTH!
DID DINOSALROIDS BXIST?
PO ALIBNS BXIST?
THE CONTOS CONTATINO TO THES WOLLING WEDE FEATURED TO 15 YEAR SCHOOLS

FROM 1987 TO 1989. THE RESEARCH AND PRODUCTS INTRODUCED IN THESE CONTOS REPLECT THOSE OF THE TIME OF PUBLICATION.





















LET'S COPY VEGETABLES!











1 MILLION FROM 1G OF LETTLICE!!







SO THAT MEANS ROM ONE VEGETABLE YOU CAN MAKE THE SAME KIND OVER AND OVER AGAIN



WITH LETTLICE FOR EXAMPLE, YOU CAN MAKE 1 MILLTON SEEDS FROM IG.





















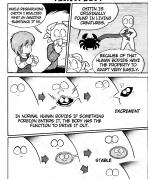
YOU CAN EAT CRAB SHELLS!



THE MANY WAYS TO USE CRAB SHELLS



CHITIN'S CONNECTION TO THE HUMAN BODY



BUT IF THE SUBSTANCE CHITIN IS IN THE BODY, THIS FUNCTION DOESN'T OCCUR. IT STAYS AS IT IS AND IS ABSORBED INTO THE BODY.

.

ANAROLTS



THREAD IS USED

CRAB SHELLS CAN ALSO BECOME MEDICINE!?















THE AGE OF MICROBE POWER!!













YES, YES EVEN THE SWIETS YOU ARE EATTUR HAVE A CONNECTION TO MISCORE TO MISCO



THIS MICRO CAPSULE HAS THE FUNCTION TO ENCASE SMELL AND TASTE SO.



IF YOU USE THIS, YOUR SMELL AND TASTE WILL NEVER DISAPPEAR.















SOME MAKE

THEM





WHERE ARE SUPER MICROBES?













SHINING KILLIPISH AND THE LIKE





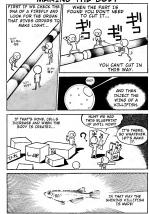
OK LEAVE THE HEY, YOU TWO DO







DNA IS A BLUEPRINT FOR MAKING THE BODY





















YOU CAN MAKE A BUTTON FROM MILK.





YOU PROBABLY
DIDN'T KNOW THAT
BUTTONS MADE FROM
MILK HAVE BEEN
BEING MADE SINCE
LONG BEFORE.



BUT HOW DO YOU MAKE A HARD KIND OF OBJECT FROM MILK!?



IF WE TRY
HEATING UP
MILK, YOU'LL
UNDERSTAND.









APE

THESE ARE CLOTHES MADE FROM MILK!





NOW CAN MAKE THOSE SET THE SET











Whigh is a sweet Watermelon?









WOLLDN'T IT BE GOOD IF YOU TOOK AN X-RAY MACHINE WITH YOU?



YOU CAN'T











SOUNDS TELL YOU EVERYTHING!?























WORLD-CHANGING HIGHLY ABSORBENT PLASTICS



I'M HIGHLY ABSORBENT PLASTIC, WE'RE WHAT'S INSIDE PAPER DIAPERS!







THEM ...



TURNING DESERTS INTO GREEN LAND WITH PAPER DIAPERS!?

























GROWING DESERTS AND THE FUTURE OF THE EARTH



BECAUSE OF THESE
PROPER LETTING TO THE PROPERTY OF THE PROPER LETTING THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE LECT OF THE



Madigina to maka you Smartarip







IS MEMORY CAUSED BY MATERIAL FUNCTIONS...?







THE HUMAN BRAIN IS FULL OF CELLS





VASOPRESSIN: MAKES YOU SMARTER!?





IF YOUR MEMORY IS TOO GOOD...







































HOW CAVITIES FORM





THE CAVITY

RACTERTA CAULED

WHEN YOU EAT





IT'S HERE! ANTICAVITY MATERIAL



CAVITY BACTERTA CAN'T MAKE ITS BASE, SO IT DOESN'T DIE, BUT IT CAN'T STICK TO TEETH, SO IT CAN'T MAKE COUNTIES









IN 2001, ROBOTS WILL BECOME SNAKESI?







WHAT IS A ROBOT!?







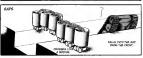
SNAKE-TYPE ROBOTS CAN DO THIS!?





















SQUID CALCULATORS, AND CUTLASS FISH NATL POLISH/?













CALCULATOR NUMBERS ARE SQUID OIL!?

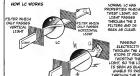


98 THERE ARE MANY TYPES OF LIGHTY CRINGRA, AND LC MADE FROM SQUITD IS NOT ACTUALLY USED IN TV SETS AN
CALCULATIONS, STUCK SQUITD LC CHANNES AZZERDONE TO THERESZATURE, IT 15 LIKES IN THERMADISTRING, STIC.

WHAT IS LC?







SEEN AS CLEAR. PASSING ELECTRICITY THROUGH THE LC STOPS IT FROM TWISTING THE

LIGHT, SO THE L TO SEEN AS BLACK UNABLE TO PASS THROUGH THE 2ND PTI.TER

EVEN MORE HIGH-TECH FISH





















IRON THINNER THAN HAIR!?



WHAT/7

WHY IS IT SO THIN YET STRONG?







IRON CAN GO TO SPACE, TOO!



OTHER FINE THINGS





HE THREADS, EVEN THYNNER

THAN THE MEMBRANE OF

BEING THIS THIN

IRON POWDER TEAGHES US ABOUT HIDDEN CODES











MYSTERIOUS LINES BROUGHT UP BY IRON POWDER























JUST WHAT IS A COMPUTER VIRUS?





COMPLITER VIRUSES: MASTERS OF DISGUISE!









LET'S WIPE OUT THOSE VIRUSES!









YOUR HANDS CAN MAKS YOU CMARTERIF











BRAIN, RIGHT?





THE DIVISION OF FUNCTIONS IN THE HUMAN BRAIN





FOR BRAIN EXERCISES, HANDS RULE!









ALSO, THERE'S ONE MORE MAJOR STORY THAT SHOWS THE RELATIONSHIP BETWEEN OUR BRAINS AND OUR HANDS. LONG AGO, HUMANS WERE ANTIMALS VERY SIMILAR TO MONKEYS, BUILT...



WHEN WE STOOD UP ON TWO LEGS AND STARTED TO USE OUR HANDS, SOMETHING MYSTERIOUS HAPPENED... OUR BRAINS, WHICH HADN'T CHANGED SIZE IN MILLIONS OF YEARS, GREW MUCH LARGER IN JUST A PEW MILLION YEARS.









SOMETHING HAPPENS TO YOUR BRAIN AT AGE 10!





ALSO, THE SIZE OF YOUR BRAIN IS DECIDED WHE YOU'RE THREE, BUT THE BY THE WAY, BRAINS THAT ARE ABOUT 10 YEARS OLD, LIKE YOU KIPS', CAN LEARN TO USE BOTH LANGUAGES.



PRAINCLY, THAT'S SECALISE YOUR HEADS ARE STELL MALLEGELE!



AN ELDERLY BRAIN HAS ALREADY DECIDED HOW AND WHEN IT DOES WHAT.

COMPARED TO THAT, A
YOUNGER BRAIN CAN
CHANGE AROUND HOW IT
POES JOBS DEPENDING
ON CUISIDE STIMLI OR
ITS OWN CONDITION, AND
COM ADD NEW EN MENTANCE





IN OTHER WORDS, ONCE YOU TLIRN 10, THAT'S YOUR LAST CHANCE TO MKE YOUR BRATN (IS THAT SO? I GLESS)
I SHOULD MOVE TO A
FOREIGN COUNTRY AS
WELL AS DOING HAND
EXERCISES.







CITY PATS LOVE COMPLITARES?











RATS CAN PARALYZE CITIES





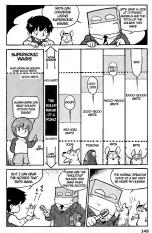


COMPUTERS CALL TO RATS?



WHAT'S A SUPERSONIC WAVE?





LET'S CATCH RATS WITH SUPERSONIC WAVES!











ZERO-GRAVITY SOPTENS YOU UP!









ZERO-GRAVITY IS NO WALK IN THE PARK!





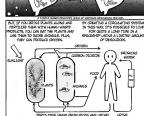
CONQUER THE TOILET AND YOU'VE CONQUERED SPACE!













TAKING THE EARTH WITH US INTO SPACE









633 DAYS ON MARS: A SPAGE JOURNEY



WE'RE OFF TO MARS!









AND THE PLANETS THAT ADD



TRAVELLING TO MARS TAKES A TIGHT BUDGET!







A SPACESHIP IS A TRAINING GYM!



IN ZERO-GRAVITY CONDITIONS, HUMAN BONES BECOME MORE AND MORE WEAK AND BRITTLE.



TO PREVENT THAT, YOU HAVE TO DENOTE BYERY MOMENT TO WORKING OUT!











AT LAST, A MARS LANDING!



超新星 1987A

THE 170 THOUSAND-YEAR-OLD STORY OF A SUPERNOVA

STARLIGHT IS A TIME MACHINE?



BUT THEFTEE OF FAST
ARROY THAT WE GALL
SEE THEM AST TAY
STEAS







STARLIGHT FROM 17 THOUSAND LIGHT-YEARS AWAY

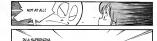




A SUPERNOVA IS THE DEATH OF A STAR?







TIME THAT THE STAR IS

PYDIA...

AMOV STAR'S

ARE SOLVE

EXPLOSTON AT THE SAME

SUPERNOVAS CREATING SPACE





















OPENING UP THE HUMAN BODY



THE ATOM PUZZLE THAT CREATES ALL





WATER, PROTETN YPES OF ATOM THAT MAKE UP THE AND FAT AND THE HUWAN BODY LIKE. TIT'S LIKE A PUZZLE.





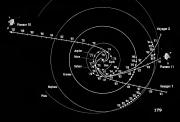








IS THERE A LOTH PLANST IN THE SOLAR SYSTEM COLAR SYSTEMS



THE SUN, THE MOON AND THE PLANETS HAVE BEEN AROUND FOR A LONG TIME

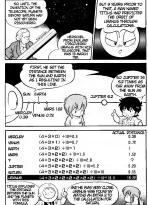








URANUS PREDICTED BY A STRANGE FORMULA



THE ASTEROID THAT WAS FOUND IN THE EMPTY SEAT









NEPTUNE AND PLUTO FOUND THROUGH GRAVITY







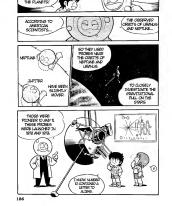


FIND IT WITH PROBES!! THE 10TH PLANET

THEY FOUND AL

OH, DID

THEY?











WHAN IS MI. FLUTT COING TO BRUPT?



TZLI OSHTIMA 1986



MTYAKE TIMA 1983



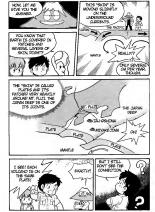




MOUNT FUJI IS A VOLCANO TOO!! TIONS OCCUPRED AT MT. PLUT AFTER AH, THE THOSE AT MITVAYE THAN AND TRILLOGUISM CONNECTION BETWEEN THE 3 1560 1700 AND STLENT PERTOR 2 VOLCANDES... MT. FUTT DEHTAMA 1940 1983 MTVAKE TIMA THE 3 HAVE BEEN ERUPTING IN SUCCESSTON FOR A LONG TOME NOW. I KNOW... IT wow... THERE'S GOTTA MUST BE ... RE 4 RE45ON FOR THAT DOWN BE CONTAGIOUS, TOO SLIPE I THE THE ELL BOUT THAT. ET ME SHOW YOU WHAT A VOLCANO TS EXACTLY. HEY MUST BE DON'T BE CONNECTED STLLY DADA IND

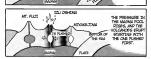


THE BOTTOM OF THE SEA IS MOVING TOWARDS FUJI!



HOW A VOLCANO ERUPTS







THIS HAS BEEN HAPPENING FOR THOUSANDS OF YEARS

WILL FUJI ERUPT!?







THESE STONES ARE ALL MADE OF GAS.

RETRIEVE THE AUR FROM 200 MILLION YEARS AGO!



THE HILLS USED TO BE SEA





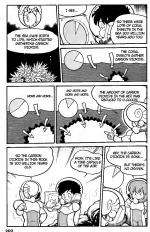


CARBON DIOXIDE IS AN INGREDIENT



IN THE BEGINNING, YOU COULD NOT BREATHE ON EARTH

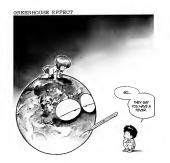












COS SPAGISHIP CARTH









HEAT DOESN'T RETURN TO SPACE!?







THE GREENHOUSE EFFECT MUST BE STOPPED!



















PUP PUNCSAUROUPS EXIST?

DINOSAUROUP

DINOSAUROUP



WHAT IF DINOSAURS HAD CONTINUED EVOLVING?









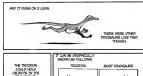










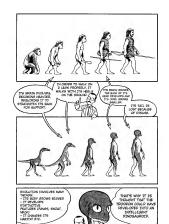












IF DINOSAUROIDS HAD REALLY EXISTED...



























THE END



LIST OF COLLABORATORS, FIRST APPEARANCES

"LETTUCE IN CAPSULE FORM"?" COLLABORATION: KIRIN BEER

O ITO PHOTOGE CHOTCHTON

ALL OF THESE VOLUMES ARE PART OF "5 YEAR SCIENCE"

	HATTORI VOL. 4/1989
"CRAB SHELLS WILL SAVE MANKIND!?"	COLLEGRATION: TOTTOR! LATVERSITY PROFESSOR SHIGSHIPO HIRANO NIPPON CHANICALS COLITS, NICHARISTO COLITS FINECARS COLITS, NASBO CO., LTD RANGONIC COLITS TANK! POODS VOL. STEES
"A MICROBE IS A SUPERMAN"	COLLABORATION: TOKYO INSTITUTE OF TECHNOLOGY PROFESSOR KOUKI HORIKOSHI VOL. 8/1989
"SHINING KILLIPISH AND THE LIKE"	COLLABORATION: TOWO LINIVERSITY PROFESSOR MASAO KARLIBE, TOKYO LINIVERSITY ASSISTANT PROFESSOR EICHI TAMILYA VOL. 2/990
"MAKING DRESSES FROM MILK"	COLLABORATION: TOYOBO COLLTD IRIS COLLTD ISBTAN COLLTD PHOTOS+KBISLIKB SASAZUKA VOL. 4/1999
WHICH IS A SWEET WATERWELON?	COLLABORATION: MAKI MANUFACTURING CO.,LTD VOL. 9/1989
"PAPER DIAPERS WILL SAVE THE EARTH?!"	COLLABORATION: TOTTORT UNIVERSITY, ASSISTANT PROFESSOR MASAO TOYAMA VOL. 4/1988
*MEDICINE TO MAKE YOU SMARTER?!"	COLLABORATION: NIPPON MEDICAL SCHOOL, PROPESSOR YOSHIYA SHINAGAWA YOU 17989
COLORLESS, BUT COLORFUL?!	COLLABORATION: SOPHIA UNIVERSITY, PROFESSOR KIYOSHI ASKI, SOPHIA UNIVERSITY, ASSISTANT PROFESSOR ACHTRO YOSHIDA VOL. 8/990

SHIBEYO HIROSE VOL.12/1989
"SQUID CALCULATORS, AND CUTLASS COLLABORATION: NISSUI CO., LTD
PERM NATI POLISHIT" VOL. 12/1989

CORPORATION VOL. 2/1988

COLLABORATION: TOKYO INSTITUTE OF TECHNOLOGY, ASSISTANT PROFESSOR

"CITY RATE LOVE COMPLITERS?!" COLLABORATION: TKART

"IN 2001, ROBOTS WILL BECOME SNAKES?!"

"THE THINNER, THE MORE AWAZING!" COLLABORATION # KOBE STEEL .. LTP. VOL. 11/1989 "TRON POWDER TEACHES US. PHOTOS # NACTO TOMTZAWA ABOUT HITTOPAL CODES! VOL. 10/1989 "ATTACK OF THE COMPUTER VIRUS !" COLLABORATION = WANLI PRODUCTIONS, HTROSHT FLKUTSU PINEAPPLE AROOD PHOTOS # VINTTAKA KOGUST VOL. 20060 "YOUR HANDS CAN MAKE YOU SWARTER!?" COLLABORATION = NIPPON MEDICAL SCHOOL PROFESSOR VOGHTVA GHTNAGAWA V/V E/1999 *A MTRACULOUS MEDICINE WHICH VOL. 3/1989 PREVENTS CAVITIES?! "YOTHY TO SPACE MAKES YOU COLLABORATION & NATIONAL ACTO THE TOTLET?" AEDICEPACE LARCIDATION OF TAPAN KOJI OTSUBO, VOL. 3/1986 1666 DAYS ON MARS: A SPACE & SCIENTIFIC CRITIC, TWAD BID TOURNEY OF LARGRATIONS THE 120 THOUGAND-VEAD-OLD AND ASSOCIATION & SOTTON

STORY OF A SUPERNOVA" PLANETARTUM & ASTRONOMY MUSEUM NACTO KTMURA PHOTOS # NASA VOL. 1/1988

YOUR BODY IS MADE OF STARDUSTIP! COLLABORATION = NATIONAL INSTITUTE OF PADTOLOGICAL SCTENCES VASITED TGADASHT VOL. 8/1988 THE THERE A LOTH PLANET COLLABORATION & GOTON PLANETARTIUM & ASTRONOMY MUSEUM IN THE SOLAR SYSTEM?" MAKOTO KUNTSHT PHOTOS E NASA

VOL. 12/19/57 WHEN IS MT. FUJI GOING TO EPUPTY COLLABORATION = UNIVERSITY OF THE DY ANY IS ASSISTANT PROPESSOR MASAAKT KTWURA VIDI., 7/1998 PRINTENS THE ATD FROM 200 AND ARROYS AND A GUILLAND AND A STANDARD A STANDARD AND A STANDARD A STANDA JOSAKUEN UNIVERSITY PROPESSOR MILLION YEARS AGO!*

YASUSHT KTTAND VOL. TV999 YEAR EDACREMED EADTH/Y VOIL TARRE

"PIP PINOSAUROIPS EXIST?" COLLABORATION . YOKOHAMA NATIONAL UNIVERSITY PROFESSOR VOSHTVATU HASEGAWA NATIONAL MUSEUMS OF CANADA VOL. 12/1999

"DO ALTENS EXIST?" VOL. 3/1990

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EXTRA-TERRESTRIAL